Carbohydrate Research 273 (1995) C21-C23

Contents

Regular papers	
Conformational analysis of 3-deoxy-3-nitroheptoseptanosides by molecular mechanics (MM2) and theoretical $^3J_{\rm HH}$ calculation	
J. Molina Molina, D.P. Olea (Granada, Spain) and H.H. Baer (Ontario, Canada)	1
A reinvestigation towards the conformation of methyl α -D-mannopyranosyl- $(1 \rightarrow 6)$ - α -D-mannopyranoside by a combined ROE and molecular dynamics analysis	
B.A. Spronk, A. Rivera-Sagredo, J.P. Kamerling and J.F.G. Vliegenthart (Utrecht, The Netherlands)	11
Structural elucidation of underivatized gangliosides by electrospray-ionization tandem mass spectrometry (ESIMS/MS)	
T. Ii, Y. Ohashi and Y. Nagai (Saitama, Japan)	27
Structural analysis of mono- and bis-sulfated glycosphingolipids by negative liquid secondary ion mass spectrometry with high- and low-energy collision-induced dissociation	
K. Tadano-Aritomi (Tokyo, Japan) H. Kubo (Kyoto, Japan) P. Ireland (Manchester, UK) M. Okuda, T. Kasama, S. Handa and I. Ishizuka (Tokyo, Japan)	41
Structural studies of the capsular polysaccharide from <i>Klebsiella</i> type 7 A. Kjellberg, G. Widmalm (Stockholm, Sweden) PE. Jansson (Huddinge, Sweden) and W. Nimmich (Rostock, Germany)	53
Isolation, purification and characterization of three lectins from ant eggs (Oecophylla smaragdina Fabr.)	
P. Hassan and N. Absar (Rajshahi, Bangladesh)	63
Notes	
Preparative separation of oligosaccharides from κ-carrageenan, sodium hyaluronate, and dextran by Superdex™ 30 prep. grade	
N. Caram-Lelham, LO. Sundelöf and T. Andersson (Uppsala, Sweden)	71
Analysis of N-acetyl-chitooligosaccharides by the Iatroscan TLC/FID system M. Esaiassen, K. Øverbø and R.L. Olsen (Tromsø, Norway)	77
Determination of substituent distribution in cellulose acetate by means of a ¹³ C NMR study on its propanoated derivative	
Y. Tezuka and Y. Tsuchiya (Niigata, Japan)	83
Sequential structure by ¹ H NMR as a direct assay for pectinesterase activity	
A.K. Anderson R. Larson and H. Grasdalen (Trandheim Narway)	03

Synthesis of sugar ureas via phosphinimines I. Pintér, J. Kovács and G. Tóth (Budapest, Hungary)	99
Inhibitory effect of diglucosylamines on two β -glucosidases	
N. Kolarova, R. Trgiňa, K. Linek and V. Farkaš (Bratislava, Slovakia)	109
Erratum	CI
Announcement	C13
Regular papers	
A comparison of the conformation of sucrose octasulfate, free and bound to acidic fibroblast growth factor	
J. Shen and L.E. Lerner (Madison, WI, USA)	115
A theoretical study of D-glucose, D-galactose, and parent molecules: solvent effect on conformational stabilities and rotational motions of exocyclic groups	
F. Zuccarello and G. Buemi (Catania, Italy)	129
Diffusion in maltose-water mixtures at temperatures close to the glass transition	
R. Parker and S.G. Ring (Norwich, UK)	147
Determination by NMR spectroscopy of the structure and conformational features of the enterobacterial common antigen isolated from <i>Escherichia coli</i>	
M. Bruix, J. Jiménez-Barbero (Madrid, Spain) and P. Cronet (Heidelberg, Germany)	157
The detection of some dicarbonyl intermediates arising from the degradation of Amadori compounds (the Maillard reaction)	
J. Hirsch, V.V. Mossine and M.S. Feather (Columbia, MO, USA)	171
Structural analysis of antiviral sulfated α -D-(1 \rightarrow 3)-linked mannans A.A. Kolender, M.C. Matulewicz and A.S. Cerezo (Buenos Aires, Argentina)	179
Structure of the O-specific polysaccharide of <i>Hafnia alvei</i> 1204 containing 3,6-dideoxy-3-formamido- D-glucose	
E. Katzenellenbogen, E. Romanowska (Wroclaw, Poland), N.A. Kocharova, A.S. Shashkov, Y.A. Knirel and N.K. Kochetkov (Moscow, Russian Federation)	187
Structure of the capsular polysaccharide from the Klebsiella K8 reference strain 1015	
B. Erbing (Stockholm, Sweden), PE. Jansson (Huddinge, Sweden), G. Widmalm (Stockholm, Sweden) and W. Nimmich (Rostock, Germany)	197
Crystalline cellulose I α and I β studied by molecular dynamics simulation	
A.P. Heiner, J. Sugiyama and O. Teleman (Espoo, Finland)	207
Purification of commercial gellan to monovalent cation salts results in acute modification of solution and gel-forming properties	
L.W. Doner and D.D. Douds (Philadelphia, PA, USA)	225
Chitin deacetylation by enzymatic means: monitoring of deacetylation processes	
A. Martinou, D. Kafetzopoulos and V. Bouriotis (Heraklion, Greece)	235
Notes	
Solubility and primary nucleation of cyclomaltoheptaose D.W. Jennings and R.W. Rousseau (Atlanta, GA, USA)	243

Contents	C23
A practical synthesis of methyl 4-O-methyl-α-D-glucopyranosiduronic acid K. Li and R.F. Helm (Blacksburg, VA, USA)	249
Structural investigation of cell-wall polysaccharides from <i>Neosartorya</i> : relationships with their putative anamorphs of <i>Aspergillus</i>	
J.A. Leal, J. Jiménez-Barbero, B. Gómez-Miranda, E. Parra, A. Prieto and M. Bernabé (Madrid, Spain)	
Author index	C15
Subject index	C17
Contents	C21